

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for detecting malicious scripts using static analysis. The method of the present invention comprises the step of checking whether a series of
5 methods constructing a malicious code pattern exist and whether parameters and return values associated between the methods match each other. The checking step also comprises the steps of classifying, by modeling a malicious behavior in such a manner that it includes a combination of unit behaviors each of which is composed of sub-unit behaviors or one or more method calls, each unit behavior and method call sentence into a matching rule for defining sentence types to be
10 detected in script codes and a relation rule for defining a relation between patterns matched so that the malicious behavior can be searched by analyzing a relation between rule variables used in the sentences satisfying the matching rule; generating instances of the matching rule by searching for code patterns matched with the matching rule from a relevant script code to be detected, extracting parameters of functions used in the searched code patterns, and storing the extracted parameters in
15 the rule variables; and generating instances of the relation rule by searching for instances satisfying the relation rule from a set of the generated instances of the matching rule.